

ABSTRACT

A sprayable polymeric material and a process for preparing the material which contains a fibrous material, dispersed throughout the polymeric material. A restriction free spray nozzle is provided for mixing and spraying the polymeric material having a fibrous material, the nozzle having a restriction free check valve. A reinforced structure, and a method of making the structure are provided, the structure having layers of the polymeric material (both film and foam) containing the fibrous material. A flexible liner is provided of a porous geotextile fabric and a polyurethane composition comprising the fibrous material sprayed over the geotextile fabric.

REINFORCED POLYMER STRUCTURE